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ported the same amendment, accompanied by a report (No. 2,224); which said bill and report were referred to the Committee of the Whole House on the state of the Union.

A bill to appropriate \$25,000 for the establishment of a fish-cultural station in the State of Nebraska, to be located at a point to be selected by the Secretary of Commerce and Labor, passed the Senate.

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*THE JUBILEE OF THE ACADEMY OF SCIENCE OF ST. LOUIS.*

THE Academy of Science of St. Louis, which is the oldest body of its kind west of the Alleghanies, held its first meeting and adopted a constitution on March 10, 1856, fifteen of the organizers being present. The week of this year which ended with March 10 has been celebrated by the academy in a modest but fitting manner.

The regular meeting of the week, on the evening of the third, was given up to reminiscences, including a sketch of the history of the academy, accounts of its treasury and collections, an analysis of its scientific publications, and recollections of some of the men who have made it known while winning personal recognition in science.

The anniversary evening was selected for a banquet, at which about one hundred persons were seated. Invitations had been sent to the honorary and corresponding members of the academy and to learned societies with which it exchanges publications, comprising the principal learned societies of the world. Greetings were presented by letters and telegrams from something over one hundred corresponding societies, while thirty-one were represented by delegates who delivered their congratulations in person. In addition to the speeches of welcome and greeting, admirable and inspiring addresses were delivered by Dean Edward A. Birge, of the University of Wisconsin, and Professor Thomas C. Chamberlin, of the University of Chicago.

As lasting souvenirs of the occasion, the committee of arrangements presented to the academy a panel of portraits of the members who attended the organization meeting fifty years before, and a medal bearing on the

obverse the quaint seal of the academy with its dedication 'Humane Scilicet Scientiae et Potentiae,' and on the reverse a portrait of George Engelmann, the prime mover in the organization of the academy and for many years its president. A replica of the medal, in bronze, was given to each person present at the banquet and to each society represented by a delegate.

Like most organizations of its kind, the St. Louis Academy of Science was founded and has been sustained through the self-sacrificing efforts of a few men interested in the promotion of its purposes. A few years ago it was given a home by a lady of St. Louis. Its officers are now hoping that the celebration of its semi-centennial anniversary may bring it to the notice of those who can foster its work, if they will, and lead to a suitable endowment being provided for its maintenance. A fund is needed for the enlargement of its museum, and binding the great library of exchange publications received from other learned societies.

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*SCIENTIFIC NOTES AND NEWS.*

PROFESSOR E. C. PICKERING, director of the Harvard College Observatory, has been elected a corresponding member of the Berlin Academy of Sciences.

DR. HENRY F. OSBORN, professor of zoology at Columbia University, and curator of paleontology at the American Museum of Natural History, and Dr. O. Hertwig, professor of zoology at the University of Berlin, have been elected foreign members of the Linnean Society of London.

PROFESSOR ERNST HAECKEL, of the University of Jena, had hoped to attend the meeting of the American Philosophical Society in memory of the two hundredth anniversary of Franklin's birth next month, but his health is such that his physicians have forbidden him to make the voyage.

PROFESSOR B. K. EMERSON, of Amherst College, has been appointed geologist in the U. S. Geological Survey. Since 1883 he has ranked as assistant geologist, and by the new appointment will be in charge of all the geological

work of Massachusetts, with the exception of the extreme western part and sections around Boston.

DR. FRIDTJOF NANSEN, who was appointed Norwegian minister at London last November, has been raised to the rank of ambassador.

THE Hebdomadal Council of Oxford University has appointed William Osler, D.M., Hon. D.Sc., F.R.S., student of Christ Church, regius professor of medicine, representative of the university on the council of the Lister Institute of Preventive Medicine in the place of the late Sir John Burdon-Sanderson, Bart., D.M., F.R.S., honorary fellow of Magdalen College.

THE University of Heidelberg has awarded the Kussmaul prize to Professor Bier, of Bonn, for his work on artificial hyperaemia as a therapeutic process.

THE title of emeritus professor of civil engineering and surveying has been conferred by the council of London University on Mr. L. F. Vernon-Harcourt, who occupied the chair of civil engineering at University College for twenty-three years.

DR. FRANK E. ROSS has been promoted to be astronomer in charge of the International Latitude Observatory at Gaithersburg, Md., vacant by the resignation of Dr. Herman S. Davis.

PROFESSOR P. TIEMO SCHWARZ has been appointed director of the Benedictine Observatory at Kremsmünster, to fill the vacancy caused by the resignation of Dr. P. F. Schwab. Professor P. B. Zölss has been appointed observer in the same observatory.

THE medical staff of the Widener Memorial Home for Crippled Children at Philadelphia, which was formally opened March 3, will be composed of the following men: Surgeon-in-charge, Dr. DeForest Willard; assistant surgeon, Dr. Edward B. Hodge, Jr.; visiting physician, Dr. Albert D. Ferguson; pediatrician, Dr. Alfred Hand, Jr.; neurologist, Dr. William G. Spiller; ophthalmologist, Dr. G. Oram Ring; assistant ophthalmologist, Dr. Carl S. Williams; laryngologist, Dr. Francis R. Packard; dermatologist, Dr. Jay F. Schamberg, and pathologist, Dr. Robert L. Pitfield.

DR. EDWARD L. NICHOLS, professor of physics at Cornell University, lectured before the Society of Sigma Xi at Ohio State University on the evening of February 21. The subject of his lecture was 'Phosphorescence.'

PROFESSOR JOHN MILNE, F.R.S., gave the Bakerian lecture before the Royal Society on March 22, his subject being 'Recent Advances in Seismology.'

ON March 17 Mr. J. E. Marr gave the first of three lectures at the Royal Institution, London, on 'The Influence of Geology on Scenery.' These are the Tyndall lectures. On March 19 Professor Bertram Hopkinson began a course of three lectures on 'Internal Combustion Engines,' with experimental illustrations. The Friday evening discourse on March 23 was delivered by Lord Roberts on 'Imperial Defence.' On March 30 Professor Zeeman will speak on 'Recent Progress in Magneto-Optics,' and on April 6 Mr. W. B. Hardy on 'The Physical Basis of Life.'

WE learn from the *Journal of the American Medical Association* that the international journal devoted to the history of medicine and medical geography, *Janus*, in its issue for February, pays homage to the oriental student, Moritz Steinschneider, who reached the age of ninety on March 30, 1906. He is still actively engaged as occasional assistant at the Berlin Royal Library. His researches on the pharmacology, toxicology, medicine and natural sciences of the Arabian and other writers during and just preceding the middle ages are said to be a mine of information.

REPLICAS, in bronze, of the medal commemorating the semi-centennial of the Academy of Science of St. Louis, bearing an excellent portrait of George Engelmann, may be secured from the secretary of the academy at a cost of \$1.00 each, if ordered before the end of April.

A MEMORIAL of the late Professor Nothnagel is to be erected in the great quadrangle of the University of Vienna. A fund will also be established, the interest of which will be devoted to the delivery of an annual commemorative lecture.

PROFESSOR JAMES MILLS PEIRCE, who was appointed tutor in Harvard University in 1854, and has been Perkins professor of astronomy since 1885, died from pneumonia at his home at Cambridge on March 21.

J. JAMES R. CROES, a well-known civil engineer of New York City, died at his home at Yonkers, on March 14, aged seventy-two years.

DR. ALBERT PRESCOTT MARBLE, associate superintendent of public schools in New York City and a writer on educational topics, died on March 25, at the age of sixty-eight years.

THE death is announced of Mr. J. G. Goodchild, a British geologist and naturalist, long connected with the Geological Survey and the Edinburgh Museum.

DR. J. WODRICH, professor of geology in the Bohemian University of Prague, has died at the age of eighty-one years.

A REUTER telegram from Stockholm says that the auditors of the Nobel foundation state in their report that the five Nobel prizes will this year amount to £7,696 each, that is, £25 more than last year.

THERE will be civil service examinations, on April 18, to fill the position of chief of the Sugar Laboratory Bureau of Chemistry, Department of Agriculture, at a salary of \$2,000 a year, and the position of technical assistant, Division of Pharmacology, Hygienic Laboratory, Public Health and Marine Hospital Service, at a salary of \$150 a month.

A COLLECTION of Japanese plants, sent to the New York Botanical Garden in exchange for North American plants, has just arrived from Akita, Japan. The collection, containing two or three hundred specimens belonging to various plant groups, was made last summer by Mr. Yuushun Kudo on Mt. Moriyoshi, at an altitude of 7,000 feet.

WE learn from *Popular Astronomy* that the Detroit Observatory of the University of Michigan under the new director, W. J. Hussey, is undergoing extensive repairs, including a new addition. The improvements extend to the observatory library, which connects directly with the residence. Mr. E. J. Madden has been appointed instrument-maker to the observatory. He was formerly employed at

the Lick Observatory in this capacity, and later at the Solar Observatory at Pasadena. An instrument shop is being installed for his work. To meet these expenses the university has appropriated \$5,000.

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#### UNIVERSITY AND EDUCATIONAL NEWS.

It is understood that by the will of Dr. William T. Bacon his estate is given for life to Mrs. Bacon, but that at her death the Hartford Medical Society will receive an endowment of \$100,000, and Yale University will receive a part of the residuum of the estate, which is understood to be worth nearly \$300,000.

It is reported that Mrs. John B. Stetson has offered to give \$100,000 to Stetson University, founded by the late Mr. Stetson at Deland, Fla., on condition that the present trustees resign.

PARSONS COLLEGE, Fairfield, Iowa, has recently received \$80,000 additional endowment through the will of Col. Charles Parsons, of St. Louis. This increases the donor's gifts to \$146,000 and the resources of the college to over \$350,000.

THROUGH the generosity of a Chicago physician (anonymous) and of Dr. Benjamin Taylor Terry, of New York City, Indiana University has received offers of two endowments for pathological research. The first endowment is for a research fellowship in serum pathology; the second for a similar position in pathological physiology. The income of each fellowship is \$750 a year. Both offers are made under the condition that Indiana University provide adequate library and laboratory facilities for such work.

THE bequest to Cambridge University by F. J. Quick is to be used for the establishment of a Quick professorship of biology, the holder of which shall devote himself to the study of protozoa, especially of such as cause disease.

LORD RAYLEIGH, president of the Royal Society, laid the foundation stone of a new science building at Dulwich College, on March 3. The building is to be erected at the cost of £18,000.